

To: Williams, Laura[williams.laura@epa.gov]
From: Stevenson, Peter
Sent: Wed 9/9/2015 1:46:44 AM
Subject: RE: Interim Guidance for Continuation of Work at SF Mining Sites

START cost estimate for field sampling- \$^{CB/Ex.4} which includes 1 day with two people. The soil samples have a 6 month holding time so I can direct them to wait to dry, sieve, and XRF the samples until mid-October. One person could also adequately do the sampling with my help.

Illinois Gulch contains a few mines of note, one being the Willard tunnel which connects to the Puzzle Mine. The Puzzle also has an additional connected adit called the Puzzle extension shaft right next to the creek and about a mile of collapsed stopes. The various flows from this and the Germanium shaft, a vertical feature that we think contains mine water that surfaces near the road, need to be measured prior to any work in the area such as sealing off the Puzzle extension shaft from creek water infiltration. The Willard tunnel is also connected to the Calley adit, which does not flow water and is slightly higher in elevation, indicating that there is no potential for large quantities of mine water to be released as there would be flow out of the Calley. The flume installation activities are conducted by hand downhill from the actual adits and will not result in a release of mine water. The flow data from the flumes will assist us in determining what the baseline flows of the mines are.

St. Kevin Gulch contains three draining adits of interest, two of which we have wells drilled into the adits above the openings. No pressure of note has been seen, and we have a fall low flow sampling scheduled for the wells and the surface waters in the gulch. The Griffin mine and mill are also there, and the two wells drilled near the Griffin adit missed the opening but must be close as the one completed well makes good water but again is not pressurized. Low flow sampling data and concurrent sampling of the monitoring wells will help complete the water quality picture at this site. This sampling activity is again conducted by hand and will not result in a release of mine water.

Site Assessment has provided a table of these and other sites they are working on to HQ, indicating that a release of large quantities of mine water is not probable. These sampling related activities will augment the already well characterized water data from these mine workings, which include water levels. I can provide you those tables.

I am trying to get these sites sampled before winter. The hand installation of the flumes can't occur over winter as they have to be set in cement. After snow falls, the St. Kevin site will become inaccessible. Please let me know if you need anything else. I have not yet included the Illinois Gulch site on the travel request as I was still trying to get it set up.

From: Williams, Laura
Sent: Tuesday, September 08, 2015 12:39 PM
To: Stevenson, Peter
Subject: RE: Interim Guidance for Continuation of Work at SF Mining Sites

Pete,

Can you give me an estimate for the START personnel for the B&C Smelter work? Then, please revise your write-up to reflect how each of the sites meets the criteria in the Interim Guidance to allow work to continue at the mine sites (I don't think that would include the B&C Smelter). Thank you, lw

From: Stevenson, Peter
Sent: Tuesday, September 08, 2015 7:13 AM
To: Williams, Laura
Subject: RE: Interim Guidance for Continuation of Work at SF Mining Sites

Please indicate your support for funding the following site activities the week of 9/28/15. These activities are necessary to be undertaken before winter sets in.

1. Illinois Gulch: We have two flumes in the warehouse that need to be installed before winter to measure flow from draining adits. CO. DRMS installs the flumes we purchased and I assist in the installation, which consists of lugging bags of cement to the adits, getting the flumes level, and securing them with soil and cement. The only costs associated with this activity are some minimal travel dollars and my time.
2. St. Kevin Gulch: DRMS is sampling the creek and monitoring wells in assorted draining adits (two of three adits have been drilled into and the third was just missed, with the associated well making good water). Characterization of these waters for low flow conditions is important in understanding the impact on surface waters. This mixed ownership site investigation is being led by CO. DRMS and they need help with the actual sampling of the waters. The only costs associated with this activity are some minimal travel dollars and my time. To date there are no other volunteers to assist DRMS with the sampling.
3. Boston and Colorado Smelter: This site sits in the center of the town of Alma near the

town park and playground. The town supports the sampling activity and wants it done as soon as possible. I have obtained access from the assorted property owners for this year. The site contains no fluids and has visible contamination scattered over about 10 acres. The costs associated with this activity include some minimal travel dollars, my time, and 1 day of START support, most likely 1-2 personnel for that day. START has indicated they can meet the schedule.

If you can support the approval of the Travel Request, please let me know so I can modify this email and send it through you to Martin and then HQ. I will be onsite this week and early next week at the Tomichi Mill site and after that taking some leave.

From: Williams, Laura
Sent: Saturday, September 05, 2015 10:39 AM
To: Stevenson, Peter; Griswold, Hays
Subject: Fw: Interim Guidance for Continuation of Work at SF Mining Sites

Hays and Pete,

FYI, we'll need to do write-ups and get approval from HQ through Martin Hestmark if we want to conduct assessments or removals at mine sites (see memos attached). Of course, the first hurdle is to see if we have any funding available for you to do an assessment or removal ... currently, the only funds I have are for Gold King Mine and emergencies. We can see what we get in the new FY; however, I am not hopeful. - lw

From: Williams, Laura
Sent: Friday, September 4, 2015 12:57 PM
To: McComb, Martin
Subject: Fw: Interim Guidance for Continuation of Work at SF Mining Sites

new guidance that impacts Park City. We'll need to prepare. - lw

From: Ostrander, David
Sent: Friday, September 4, 2015 12:52 PM
To: Williams, Laura
Subject: FW: On Behalf of James E. Woolford...Interim Guidance for Continuation of Work at SF Mining Sites

From: Gartner, Lois
Sent: Friday, September 4, 2015 12:52:04 PM (UTC-07:00) Mountain Time (US & Canada)
To: OSWER OSRTI SF Regional Remedial Branch Chiefs; OSWER SF Reg DDs; OSWER OEM REMOVAL MANAGERS
Cc: OSWER OSRTI OD Materials; Stanislaus, Mathy; Breen, Barry; Natarajan, Nitin; Cheatham, Reggie; Stalcup, Dana; Fitz-James, Schatzi; Hilosky, Nick; Brooks, Becky; Zaragoza, Larry; Mahmud, Shahid
Subject: On Behalf of James E. Woolford...Interim Guidance for Continuation of Work at SF Mining Sites

ON BEHALF OF JAMES E. WOOLFORD...

Regional Superfund Program Managers:

Please find attached a memorandum to you from Jim Woolford providing interim guidance for continuing work at Superfund mining and mineral processing sites. The memo also conveys information about OSRTI's ongoing efforts to develop a "master" list of Superfund mining sites.

If you have any questions about this memo or its attachment, please contact Dana Stalcup at 703-603-8702.

Lois Haas Gartner

Special Assistant

Office of Superfund Remediation

and Technology Innovation

U.S. Environmental Protection Agency

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